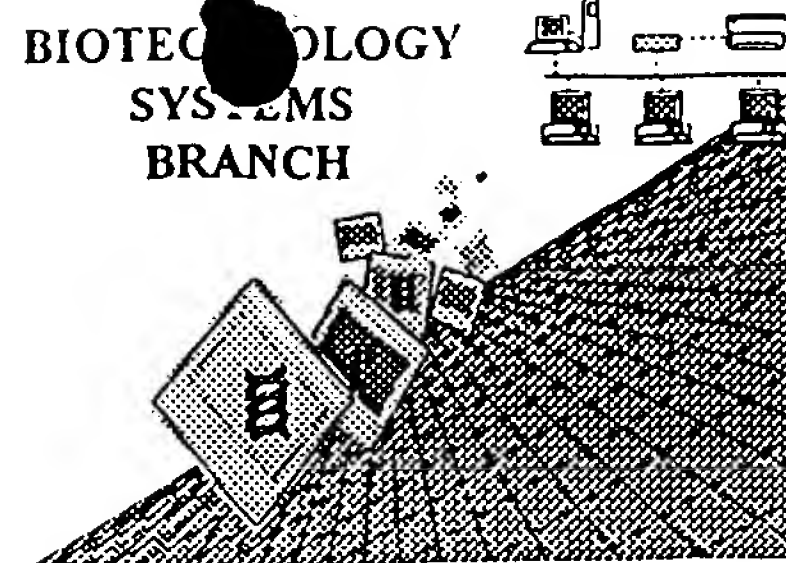


RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/483,831

Source: 1600

Date Processed by STIC: 7/26/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin2help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:26

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

SEQUENCE LISTING

9 (1) GENERAL INFORMATION:

11 (i) APPLICANT: UNITED STATES OF AMERICA; DEPT.
 12 OF HEALTH AND HUMAN SERVICES
 14 (ii) TITLE OF INVENTION: MOTILITY STIMULATING
 15 PROTEIN USEFUL IN CANCER DIAGNOSIS AND
 16 THERAPY
 18 (iii) NUMBER OF SEQUENCES: 69
 20 (iv) CORRESPONDENCE ADDRESS:
 21 (A) ADDRESSEE: MORGAN & FINNEGAN
 22 (B) STREET: 345 PARK AVENUE
 23 (C) CITY: NEW YORK
 24 (D) STATE: NEW YORK
 25 (E) COUNTRY: U.S.A.
 26 (F) ZIP: 10154
 28 (v) COMPUTER READABLE FORM:
 29 (A) MEDIUM TYPE: Floppy Disk
 30 (B) COMPUTER: IBM PC compatible
 31 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 32 (D) SOFTWARE: WordPerfect 5.1
 34 (vi) CURRENT APPLICATION DATA:
 C--> 35 (A) APPLICATION NUMBER: US/09/483,831
 C--> 36 (B) FILING DATE: 17-Jan-2000
 37 (C) CLASSIFICATION:
 C--> 47 (vii) PRIOR APPLICATION DATA:
 40 (A) APPLICATION NUMBER: 08/346,455
 41 (B) FILING DATE: 28-NOV-1994
 44 (A) APPLICATION NUMBER: 08/249,182
 45 (B) FILING DATE: 25-MAY-1994
 48 (A) APPLICATION NUMBER: 07/822,043
 49 (B) FILING DATE: 17-JAN-1992
 51 (viii) ATTORNEY/AGENT INFORMATION:
 52 (A) NAME: DOROTHY R. AUTH
 58 (B) REGISTRATION NUMBER: 36,434
 C--> 59 (C) REFERENCE/DOCKET NUMBER: 2026-4149US3
 61 (ix) TELECOMMUNICATION INFORMATION:
 63 (B) TELEFAX: (212) 751-6849

**Does Not Comply
 Corrected Diskette Needed**

ERRORED SEQUENCES

2295 (2) INFORMATION FOR SEQ ID NO: 67:
 2297 (i) SEQUENCE CHARACTERISTICS:
 2298 (A) LENGTH: 861
 2299 (B) TYPE: amino acid
 2300 (C) STRANDEDNESS: single
 2301 (D) TOPOLOGY: Unknown

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:27

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

```

2303      (ii) MOLECULE TYPE: protein
2305      (iii) HYPOTHETICAL: No
2307      (ix) FEATURE:
2308          (A) NAME/KEY: N-tera 2D1 ATX protein
2309          (B) LOCATION:
2310          (C) IDENTIFICATION METHOD:
2311          (D) OTHER INFORMATION:
2314      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:
2316 Met  Ala  Arg  Arg  Ser  Ser  Phe  Gln  Ser  Cys  Gln  Ile  Ile  Ser  Leu  Phe
2317      1          5          10          15
2318 Thr  Phe  Ala  Val  Gly  Val  Asn  Ile  Cys  Leu  Gly  Phe  Thr  Ala  His  Arg
2319          20          25          30
2320 Ile  Lys  Arg  Ala  Glu  Gly  Trp  Glu  Glu  Gly  Pro  Pro  Thr  Val  Leu  Ser
2321          35          40          45
2322 Asp  Ser  Pro  Trp  Thr  Asn  Ile  Ser  Gly  Ser  Cys  Lys  Gly  Arg  Cys  Phe
2323          50          55          60
2324 Glu  Leu  Gln  Glu  Ala  Gly  Pro  Pro  Asp  Cys  Arg  Cys  Asp  Asn  Leu  Cys
2325      65          70          75          80
2326 Lys  Ser  Tyr  Thr  Ser  Cys  Cys  His  Asp  Phe  Asp  Glu  Leu  Cys  Leu  Lys
2327          85          90          95
2328 Thr  Ala  Arg  Ala  Trp  Glu  Cys  Thr  Lys  Asp  Arg  Cys  Gly  Glu  Val  Arg
2329          100         105         110
2330 Asn  Glu  Glu  Asn  Ala  Cys  His  Cys  Ser  Glu  Asp  Cys  Leu  Ala  Arg  Gly
2331          115         120         125
2332 Asp  Cys  Cys  Thr  Asn  Tyr  Gln  Val  Val  Cys  Lys  Gly  Glu  Ser  His  Trp
2333          130         135         140
2334 Val  Asp  Asp  Asp  Cys  Glu  Glu  Ile  Lys  Ala  Ala  Glu  Cys  Pro  Ala  Gly
2335      145         150         155         160
2336 Phe  Val  Arg  Pro  Pro  Leu  Ile  Ile  Phe  Ser  Val  Asp  Gly  Phe  Arg  Ala
2337          165         170         175
2343 Ser  Tyr  Met  Lys  Lys  Gly  Ser  Lys  Val  Met  Pro  Asn  Ile  Glu  Lys  Leu
2344          180         185         190
2345 Arg  Ser  Cys  Gly  Thr  His  Ser  Pro  His  Met  Arg  Pro  Val  Tyr  Pro  Thr
2346          195         200         205
2347 Lys  Thr  Phe  Pro  Asn  Leu  Tyr  Thr  Leu  Ala  Thr  Gly  Leu  Tyr  Pro  Glu
2348          210         215         220
2350 Ser  His  Gly  Ile  Val  Gly  Asn  Ser  Met  Tyr  Asp  Pro  Val  Phe  Asp  Ala
2351      225         230         235         240
2352 Thr  Phe  His  Leu  Arg  Gly  Arg  Glu  Lys  Phe  Asn  His  Arg  Trp  Trp  Gly
2353          245         250         255
2354 Gly  Gln  Pro  Leu  Trp  Ile  Thr  Ala  Thr  Lys  Gln  Arg  Gly  Glu  Ser  Trp
2355          260         265         270
2356 Asn  Ile  Leu  Leu  Val  Cys  Cys  His  Pro  Ser  Arg  Ala  Glu  Ile  Leu  Thr
2357          275         280         285
2358 Ile  Leu  Gln  Trp  Leu  Thr  Leu  Pro  Asp  His  Glu  Arg  Leu  Arg  Ser  Met
2359          290         295         300
2361 Pro  Ser  Ile  Leu  Ser  Asn  Leu  Ile  Ser  Leu  Asp  Thr  Asn  Met  Pro  Phe
2362      305         310         315         320
2363 Gly  Pro  Glu  Met  Thr  Asn  Pro  Leu  Arg  Glu  Ile  Asp  Lys  Ile  Val  Gly

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:27

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

2364 325 330 335
 2365 Gln Leu Met Asp Gly Leu Lys Gln Leu Lys Leu His Arg Cys Val Asn
 2366 340 345 350
 2367 Val Ile Phe Val Gly Asp His Gly Met Glu Asp Val Thr Cys Asp Arg
 2368 355 360 365
 2369 Thr Glu Phe Leu Ser Asn Tyr Leu Thr Asn Val Asp Asp Ile Thr Leu
 2370 370 375 380
 2372 Val Pro Gly Thr Leu Gly Ile Arg Ser Lys Phe Ser Asn Asn Ala Lys
 2373 385 390 395 400
 2374 Tyr Asp Pro Lys Ala Ile Ile Ala Asn Leu Thr Cys Lys Lys Pro Asp
 2375 405 410 415
 2376 Gln His Phe Lys Pro Tyr Leu Lys Gln His Leu Pro Lys Arg Leu His
 2377 420 425 430
 2378 Tyr Ala Asn Asn Arg Arg Ile Glu Asp Ile His Leu Leu Val Glu Arg
 2379 435 440 445
 2380 Arg Trp His Val Ala Arg Lys Pro Leu Asp Val Tyr Lys Lys Pro Ser
 2381 450 455 460
 2383 Gly Lys Cys Phe Phe Gln Gly Asp His Gly Phe Asp Asn Lys Val Asn
 2384 465 470 475 480
 2385 Ser Met Gln Thr Val Phe Val Gly Tyr Gly Pro Thr Phe Lys Tyr Lys
 2386 485 490 495
 2387 Thr Lys Val Pro Pro Phe Glu Asn Ile Glu Leu Tyr Asn Val Met Cys
 2388 500 505 510
 2389 Asp Leu Leu Gly Leu Lys Pro Ala Pro Asn Asn Gly Thr His Gly Ser
 2390 515 520 525
 2391 Leu Asn His Leu Leu Arg Thr Asn Thr Phe Arg Pro Thr Met Pro Glu
 2392 530 535 540
 2399 Glu Val Thr Arg Pro Asn Tyr Pro Gly Ile Met Tyr Leu Gln Ser Asp
 E--> 2400 445 450 555 560
 2401 Phe Asp Leu Gly Cys Thr Cys Asp Asp Lys Val Glu Pro Lys Asn Lys
 2402 565 570 575
 2403 Leu Asp Glu Leu Asn Lys Arg Leu His Thr Lys Gly Ser Thr Glu Glu
 2404 580 585 590
 2405 Arg His Leu Leu Tyr Gly Arg Pro Ala Val Leu Tyr Arg Thr Arg Tyr
 2406 595 600 605
 2407 Asp Val Leu Tyr His Thr Asp Phe Glu Ser Gly Tyr Ser Glu Ile Phe
 2408 610 615 620
 2410 Leu Met Pro Leu Trp Thr Ser Tyr Thr Val Ser Lys Gln Ala Glu Val
 2411 625 630 635 640
 2412 Ser Ser Val Pro Asp His Leu Thr Ser Cys Val Arg Pro Asp Val Arg
 2413 645 650 655
 2414 Val Ser Pro Ser Phe Ser Gln Asn Cys Leu Ala Tyr Lys Asn Asp Lys
 2415 660 665 670
 2416 Gln Met Ser Tyr Gly Phe Leu Phe Pro Pro Tyr Leu Ser Ser Ser Pro
 2417 675 680 685
 2418 Glu Ala Lys Tyr Asp Ala Phe Leu Val Thr Asn Met Val Pro Met Tyr
 2419 690 695 700
 2421 Pro Ala Phe Lys Arg Val Trp Asn Tyr Phe Gln Arg Val Leu Val Lys
 2422 705 710 715 720

numbering
 of amino acid
 must be
 sequential,

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:27

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

```

2423 Lys Tyr Ala Ser Glu Arg Asn Gly Val Asn Val Ile Ser Gly Pro Ile
2424          725          730          735
2425 Phe Asp Tyr Asp Tyr Asp Gly Leu His Asp Thr Glu Asp Lys Ile Lys
2426          740          745          750
2427 Gln Tyr Val Glu Gly Ser Ser Ile Pro Val Pro Thr His Tyr Tyr Ser
2428          755          760          765
2429 Ile Ile Thr Ser Cys Leu Asp Phe Thr Gln Pro Ala Asp Lys Cys Asp
2430          770          775          780
2432 Gly Pro Leu Ser Val Ser Ser Phe Ile Leu Arg His Arg Pro Asp Asn
2433 785          790          795          800
2434 Glu Glu Ser Cys Asn Ser Ser Glu Asp Glu Ser Lys Trp Val Glu Glu
2435          805          810          815
2436 Leu Met Lys Met His Thr Ala Arg Val Arg Asp Ile Glu His Leu Thr
2437          820          825          830
2438 Ser Leu Asp Phe Phe Arg Lys Thr Ser Arg Ser Tyr Pro Glu Ile Leu
2439          835          840          845
2440 Thr Leu Lys Thr Tyr Leu His Thr Tyr Glu Ser Glu Ile
2441          850          855          860
2564 (2) INFORMATION FOR SEQ ID NO: 69:
2565     (i) SEQUENCE CHARACTERISTICS:
2566         (A) LENGTH: 915
2567         (B) TYPE: amino acid
2568         (C) STRANDEDNESS: single
2569         (D) TOPOLOGY: Unknown
2571     (ii) MOLECULE TYPE: cDNA
2573     (iii) HYPOTHETICAL: No
2575     (ix) FEATURE:
2576         (A) NAME/KEY: A2058 ATX protein
2577         (B) LOCATION:
2578         (C) IDENTIFICATION METHOD:
2579         (D) OTHER INFORMATION:
2581     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:
2583 Met Ala Arg Arg Ser Ser Phe Gln Ser Cys Gln Ile
2584  1          5          10
2585 Ile Ser Leu Phe Thr Phe Ala Val Gly Val Ser Ile
2586          15          20
2587 Cys Leu Gly Phe Thr Ala His Arg Ile Lys Arg Ala
2588  25          30          35
2589 Glu Gly Trp Glu Glu Gly Pro Pro Thr Val Leu Ser
2590          40          45
2591 Asp Ser Pro Trp Thr Asn Ile Ser Gly Ser Cys Lys
2592          50          55          60
2593 Gly Arg Cys Phe Glu Leu Gln Glu Ala Gly Pro Pro
2594          65          70
2595 Asp Cys Arg Cys Asp Asn Leu Cys Lys Ser Tyr Thr
2596          75          80
2597 Ser Cys Cys His Asp Phe Asp Glu Leu Cys Leu Lys
2598  85          90          95
2599 Thr Ala Arg Gly Trp Glu Cys Thr Lys Asp Arg Cys

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:27

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

2600				100				105				
2606	Gly	Glu	Val	Arg	Asn	Glu	Glu	Asn	Ala	Cys	His	Cys
2607		110					115					120
2608	Ser	Glu	Asp	Cys	Leu	Ala	Arg	Gly	Asp	Cys	Cys	Thr
2609					125					130		
2610	Asn	Tyr	Gln	Val	Val	Cys	Lys	Gly	Glu	Ser	His	Trp
2611			135					140				
2612	Val	Asp	Asp	Asp	Cys	Glu	Glu	Ile	Lys	Ala	Ala	Glu
2613	145					150					155	
2614	Cys	Pro	Ala	Gly	Phe	Val	Arg	Pro	Pro	Leu	Ile	Ile
2615				160					165			
2616	Phe	Ser	Val	Asp	Gly	Phe	Arg	Ala	Ser	Tyr	Met	Lys
2617		170					175					180
2618	Lys	Gly	Ser	Lys	Val	Met	Pro	Asn	Ile	Glu	Lys	Leu
2619					185					190		
2620	Arg	Ser	Cys	Gly	Thr	His	Ser	Pro	Tyr	Met	Arg	Pro
2621			195					200				
2622	Val	Tyr	Pro	Thr	Lys	Thr	Phe	Pro	Asn	Leu	Tyr	Thr
2623	205					210					215	
2624	Leu	Ala	Thr	Gly	Leu	Tyr	Pro	Glu	Ser	His	Gly	Ile
2625				220					225			
2626	Val	Gly	Asn	Ser	Met	Tyr	Asp	Pro	Val	Phe	Asp	Ala
2627		230					235					240
2628	Thr	Phe	His	Leu	Arg	Gly	Arg	Glu	Lys	Phe	Asn	His
2629					245					250		
2630	Arg	Trp	Trp	Gly	Gly	Gln	Pro	Leu	Trp	Ile	Thr	Ala
2631			255					260				
2632	Thr	Lys	Gln	Gly	Val	Lys	Ala	Gly	Thr	Phe	Phe	Trp
2633	265					270					275	
2634	Ser	Val	Val	Ile	Pro	His	Glu	Arg	Arg	Ile	Leu	Thr
2635				280					285			
2636	Ile	Leu	Arg	Trp	Leu	Thr	Leu	Pro	Asp	His	Glu	Arg
2637		290					295					300
2638	Pro	Ser	Val	Tyr	Ala	Phe	Tyr	Ser	Glu	Gln	Pro	Asp
2639					305					310		
2640	Phe	Ser	Gly	His	Lys	Tyr	Gly	Pro	Phe	Gly	Pro	Glu
2641			315					320				
2642	Glu	Ser	Ser	Tyr	Gly	Ser	Pro	Phe	Thr	Pro	Ala	Lys
2643	325					330					335	
2644	Arg	Pro	Lys	Arg	Lys	Val	Ala	Pro	Lys	Arg	Arg	Gln
2645				340					345			
2646	Glu	Arg	Pro	Val	Ala	Pro	Pro	Lys	Lys	Arg	Arg	Arg
2647		350					355					360
2648	Lys	Ile	His	Arg	Met	Asp	His	Tyr	Ala	Ala	Glu	Thr
2649					365					370		
2650	Arg	Gln	Asp	Lys	Met	Thr	Asn	Pro	Leu	Arg	Glu	Ile
2651			375					380				
2657	Asp	Lys	Ile	Val	Gly	Gln	Leu	Met	Asp	Gly	Leu	Lys
2658	385				390						395	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:27

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

2659	Gln	Leu	Lys	Leu	Arg	Arg	Cys	Val	Asn	Val	Ile	Phe
2660				400					405			
2661	Val	Gly	Asp	His	Gly	Met	Glu	Asp	Val	Thr	Cys	Asp
2662		410					415					420
2663	Arg	Thr	Glu	Phe	Leu	Ser	Asn	Tyr	Leu	Thr	Asn	Val
2664				425						430		
2665	Asp	Asp	Ile	Thr	Leu	Val	Pro	Gly	Thr	Leu	Gly	Arg
2666			435					440				
2667	Ile	Arg	Ser	Lys	Phe	Ser	Asn	Asn	Ala	Lys	Tyr	Asp
2668	445					450					455	
2669	Pro	Lys	Ala	Ile	Ile	Ala	Asn	Leu	Thr	Cys	Lys	Lys
2670				460					465			
2671	Pro	Asp	Gln	His	Phe	Lys	Pro	Tyr	Leu	Lys	Gln	His
2672		470					475					480
2673	Leu	Pro	Lys	Arg	Leu	His	Tyr	Ala	Asn	Asn	Arg	Arg
2674				485						490		
2675	Ile	Glu	Asp	Ile	His	Leu	Leu	Val	Glu	Arg	Arg	Trp
2676			495					500				
2677	His	Val	Ala	Arg	Lys	Pro	Leu	Asp	Val	Tyr	Lys	Lys
2678	505					510					515	
2679	Pro	Ser	Gly	Lys	Cys	Phe	Phe	Gln	Gly	Asp	His	Gly
2680				520					525			
2681	Phe	Asp	Asn	Lys	Val	Asn	Ser	Met	Gln	Thr	Val	Phe
2682		530					535					540
2683	Val	Gly	Tyr	Gly	Pro	Thr	Phe	Lys	Tyr	Lys	Thr	Lys
2684				545						550		
2685	Val	Pro	Pro	Phe	Glu	Asn	Ile	Glu	Leu	Tyr	Asn	Val
2686			555					560				
2687	Met	Cys	Asp	Leu	Leu	Gly	Leu	Lys	Pro	Ala	Pro	Asn
2688	565					570					575	
2689	Asn	Gly	Thr	His	Gly	Ser	Leu	Asn	His	Leu	Leu	Arg
2690				580					585			
2691	Thr	Asn	Thr	Phe	Arg	Pro	Thr	Met	Pro	Glu	Glu	Val
2692		590					595					600
2693	Thr	Arg	Pro	Asn	Tyr	Pro	Gly	Ile	Met	Tyr	Leu	Gln
2694				605						610		
2695	Ser	Asp	Phe	Asp	Leu	Gly	Cys	Thr	Cys	Asp	Asp	Lys
2696			615					620				
2697	Val	Glu	Pro	Lys	Asn	Lys	Leu	Asp	Glu	Leu	Asn	Lys
2698	625					630					635	
2699	Arg	Leu	His	Thr	Lys	Gly	Ser	Thr	Glu	Glu	Arg	His
2700				640					645			
2701	Leu	Leu	Tyr	Gly	Arg	Pro	Ala	Val	Leu	Tyr	Arg	Thr
2702		650					655					660
2708	Arg	Tyr	Asp	Ile	Leu	Tyr	His	Thr	Asp	Phe	Glu	Ser
2709				665						670		
2710	Gly	Tyr	Ser	Glu	Ile	Phe	Leu	Met	Leu	Leu	Trp	Thr
2711			675					680				
2712	Ser	Tyr	Thr	Val	Ser	Lys	Gln	Ala	Glu	Val	Ser	Ser

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:27

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

```

2713 685          690          695
2714 Val Pro Asp His Leu Thr Ser Cys Val Arg Pro Asp
2715          700          705
2716 Val Arg Val Ser Pro Ser Phe Ser Gln Asn Cys Leu
2717          710          715          720
2718 Ala Tyr Lys Asn Asp Lys Gln Met Ser Tyr Gly Phe
2719          725          730
2720 Leu Phe Pro Pro Tyr Leu Ser Ser Ser Pro Glu Ala
2721          735          740
2722 Lys Tyr Asp Ala Phe Leu Val Thr Asn Met Val Pro
2723 745          750          755
2724 Met Tyr Pro Ala Phe Lys Arg Val Trp Asn Tyr Phe
2725          760          765
2726 Gln Arg Val Leu Val Lys Lys Tyr Ala Ser Glu Arg
2727          770          775          780
2728 Asn Gly Val Asn Val Ile Ser Gly Pro Ile Phe Asp
2729          785          790
2730 Tyr Asp Tyr Asp Gly Leu His Asp Thr Glu Asp Lys
2731          795          800
2732 Ile Lys Gln Tyr Val Glu Gly Ser Ser Ile Pro Val
2733 805          810          815
2734 Pro Thr His Tyr Tyr Ser Ile Ile Thr Ser Cys Leu
2735          820          825
2736 Asp Phe Thr Gln Pro Ala Asp Lys Cys Asp Gly Pro
2737          830          835          840
2738 Leu Ser Val Ser Ser Phe Ile Leu Pro His Arg Pro
2739          845          850
2740 Asp Asn Glu Glu Ser Cys Asn Ser Ser Glu Asp Glu
2741          855          860
2742 Ser Lys Trp Val Glu Glu Leu Met Lys Met His Thr
2743 865          870          875
2744 Ala Arg Val Arg Asp Ile Glu His Leu Thr Ser Leu
2745          880          885
2746 Asp Phe Phe Arg Lys Thr Ser Arg Ser Tyr Pro Glu
2747          890          895          900
2748 Ile Leu Thr Leu Lys Thr Tyr Leu His Thr Tyr
2749          905          910
2750 Glu Ser Glu Ile
E--> 2751 916

```

amino acid numbering must be placed under every 5th amino acid. 916 should be changed to 915 and placed under last amino acid (Ile).

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/483,831

DATE: 07/26/2001

TIME: 08:17:28

Input Set : A:\20264149.app

Output Set: N:\CRF3\07262001\I483831.raw

L:35 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:36 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:39 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:43 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:47 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:59 M:220 C: Keyword misspelled or invalid format, [(C) REFERENCE/DOCKET NUMBER:]
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1408 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=39
L:1460 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=41
L:1490 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=42
L:1515 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=43
L:1533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1545 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=44
L:1570 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=45
L:1600 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=46
L:1630 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=47
L:1655 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=48
L:1686 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=49
L:1711 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=50
L:1741 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=51
L:1766 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=52
L:1798 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=53
L:1843 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=54
L:2400 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:67
L:2751 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:69